0300

68ce/0500



OIPE

## ENTERED

DATE: 09/27/2002 P.6 TIME: 14:02:41

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/016,248

Input Set : A:\CURA518U.txt

Output Set: N:\CRF4\09272002\J016248.raw

```
3 <110> APPLICANT: Alsobrook et al.
     5 <120> TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
     7 <130> FILE REFERENCE: 21402-218
     9 <140> CURRENT APPLICATION NUMBER: 10/016,248
C--> 10 <141> CURRENT FILING DATE: 2002-09-20
    12 <150> PRIOR APPLICATION NUMBER: 60/254,329
     13 <151> PRIOR FILING DATE: 2000-12-08
     15 <150> PRIOR APPLICATION NUMBER: 60/291,037
     16 <151> PRIOR FILING DATE: 2001-05-15
     18 <150> PRIOR APPLICATION NUMBER: 60/255,648
     19 <151> PRIOR FILING DATE: 2000-12-14
     21 <150> PRIOR APPLICATION NUMBER: 60/297,173
     22 <151> PRIOR FILING DATE: 2001-06-08
     24 <150> PRIOR APPLICATION NUMBER: 60/309,258
     25 <151> PRIOR FILING DATE: 2001-07-31
     27 <150> PRIOR APPLICATION NUMBER: 60/326,393
     28 <151> PRIOR FILING DATE: 2001-10-01
     30 <150> PRIOR APPLICATION NUMBER: 60/315,639
     31 <151> PRIOR FILING DATE: 2001-08-29
     33 <160> NUMBER OF SEQ ID NOS: 167
     35 <170> SOFTWARE: PatentIn Ver. 2.1
     37 <210> SEQ ID NO: 1
     38 <211> LENGTH: 10136
     39 <212> TYPE: DNA
     40 <213> ORGANISM: Homo sapiens
      42 <400> SEQUENCE: 1
      43 atggcgggcg cccctcccc cgccttgctg ctgccttgca gtttgatctc agactgctgt 60
      44 gctagcaatc agcgacactc cgtgggcgta ggaccctccg agctagtcaa gaagcaaatt 120
      45 gagttgaagt ctcgaggtgt gaagctgatg cccagcaaag acaacagcca gaagacgtct 180
      46 gtgttaactc aggttggtgt gtcccaagga cataatatgt gtccagaccc tggcataccc 240
      47 gaaaggggca aaagactagg ctcggatttc aggttaggat ccagcgtcca gttcacctgc 300
      48 aacgagggct atgacctgca agggtccaag cggatcacct gtatgaaagt gagcgacatg 360
      49 tttgcggcct ggagcgacca caggccagtc tgccgagccc gcatgtgtga tgcccacctt 420
      50 cgaggcccct cgggcatcat cacctccccc aatttcccca ttcagtatga caacaatgca 480
      51 cactgtgtgt ggatcatcac agcactcaac ccctccaagg tgatcaagct cgcctttgag 540
      52 gagtttgatt tggagagggg ctatgacacc ctgacggtcg gtgatggtgg tcaggatggg 600
      53 gaccagaaga cagtteteta catgteteaa aatgeetgea gtgacageee teacaceeea 660
      54 ggctctcgca tcccagagag catgtctggg gacatctgga ggcagaaatg gactgtactt 720
      55 gagatetgte gtgacattag cagtteagat geaaggteag gtteagtgag gaagteteea 780
      56 aagacttcta atgctgtgga acttgttgct cctgggacag agatcgagca gggcagttgc 840
      57 ggtgaccctg gcatacctgc atatggccgg agggaaggct cccggtttca ccacggtgac 900
      58 acactcaagt ttgagtgcca gcccgccttt gagctggtgg gacagaaggc aatcacatgc 960
      59 caaaagaata accaatggtc ggctaagaag ccaggctgcg tgttctcctg cttcttcaac 1020
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002 TIME: 14:02:41

Input Set : A:\CURA518U.txt
Output Set: N:\CRF4\09272002\J016248.raw

						+	1000
60	ttcaccagcc	cgtctggggt	tgtcctgtct	cccaactacc	cagaggacta	tggcaaccac	1140
~ 1	_+ a a + a + a	+ataactcat	cctggccagg	cctgagagcc	gcalccacci	ggccccaac	1110
		+aaaaaatca	atttaattta	ctaatcatca	aggalggggc	Caccyccyag	1200
		tagacacett	ctcaggaaac	cadcttccct	cciccatcac	aagcagtggc	1200
- 1	t	atatagaatt	ccadactdac	cactccacag	qqaaqayyyy	CLCCaacaca	
		cottoccaca	caacgagtgc	ccadatcctq	qcgttccagt	ada Lygeudu,	
	++	agaggeteca	actaggcage	tccatctcct	tectetgiga	Lyaayyette	1440
		2000t0202	gaccatcacc	tacatcctaa	aqqaqqqcay	cgtggtctgg	1300
-		tactacaata	tgaageteee	tataataatc	accigacite	gcccagcggc	1000
		atcongacta	acctaacttc	tacaaqqalq	Collyagely	Lycelygges	
70		aggagget a	ccccatcaaa	atcaccttcq	acayattcaa	aaccgaggee	1000
		aaataaaaat	acacaataaa	COGGCLLact	Caycycccc	94669999	
70	L	aaaaaaattaa	CCACTTCCTC	arcagcacca	quadulace	Ctacccccc	
			ctcagacatc	aacttccauc	LUCGULALGA	gactataaaa	
74		aggaratet	ggatccagga	atcccagtaa	atggacageg	ccatgggaat	
7.5	+	+aaacacact	agtgaccttc	adctdtdact	cygyctacac	accaagegae	
70	a	+aaaatataa	gcccaacttc	cagtggagcc	gggccctgcc	cagicigicguu	20.0
77	+-+-+-	ataacttcat	traaggetee	agtgggacca	tettglegee	agggttttt	2100
70	++ a+ > aa	ccaacaactt	gaactgcacc	tagattatca	adacatetea	Lygcaayyyc	2200
70	-+-++a++a	ctttccacac	cttccacctq	gaaagtggcc	atgactacct	CCCCaccacc	2220
00		acttcaccca	acccctgagg	cadctaactq	gatetegger	gccagcccc	2200
0.1	-+	aactetataa	caacttcact	acccaqqtcc	golloaldid	Lyatticico	20.0
0.0		aaggattgaa	- catdacette	tcagagtacg	actiggagee	Cigigaggag	2100
0.3		and cotacad	cateeggaag	aacttacaat	Liggiguguggg	cyacaccccg	2.00
0.4	+-a+aa+	acttccccaa	gtaccgtctg	gagggcaccg	cccycatcac	graceragaa	2020
0.5		acctataasa	ctcacctcta	ccaaggtgtg	Ligotyagig	Lyggaaccoa	2000
06	-t	ctcagggtac	tttactatcc	cccaactttc	Cigigaacia	Caacaacaac	2010
~ ~		+ ~+ ~ ~+ ~ ~ ~ +	- ccadacccad	ccadddaadu	uaa L L Cay C L	gaaagoomgg	
0.0		+ ~ + ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	agatotocto	aaddtttatu	alyycaacaa	Caacteegee	2,00
~ ~		. ~~~+++++a~	ccattctdad	aldaluuuuu	Lyactityuu	- cagoaca	
0.0		- aacttaattt	- catcactgat	gctgaaaaca	ccagcaayyy	Citigaacig	2000
0.1	~~ a++++aa>	. actttgaact	catcaaatgt	gaggacccay	gaacccccaa	geeeggeeac	23.4
0.7		, atmaammtma	ttttgcaggg	agctccgtgl	ccittagety	Lyaccergga	5000
0.7	+	. aaaataataa	ggagetgetg	tatctaaqtq	gagagegeeg	gaccigggac	3000
0.4		. acacatatat	caccaaatat	ggagggacaq	tqaqaqqaya	. 9919109999	3110
0.5	+	· dacccdddta	tecagetece	tatgaacaca	alcicaaciy	Catciggace	2100
~ ~ ~	+	. saaacaacto	, caccattggg	ctacacticc	Lyguyuuu	Cacagaggag	32.3
96	ategaageag	tactacacat	ctadaatada	cctgtggaga	gcggggttct	gctgaaggag	3300
97	gileacyacy	eggegggga	. caaggacgag	catagcacct	tcaactcggt	cgtcctgcag	3360
~ ~ ~	· ++		, carcaarcar	aactttacca	licadillic	ayiyiccaca	
	· ^ +	-+ ~~~~+ <i>~</i> ~~ <i>~</i>	o taaaatccc	o cadaaluuu	ia ulcuyayiy	id radrades	J
10	o geaacgie	e geaatgaee	t attecagte	t gaccctgg	t acgcgctgc	a gggaagtgo	a 3540
10	ol gaageegge	g acticatas	t caagaacac	a ttattata	c agcccagc	c gccaacatg	c 3600
10	2 gagateage	t graragaas	te cgagaacag	ra ccatctgga	g tcatcctct	c accadatta	c 3660
1(	ategetee	t gegggggag	ra coegacay	rt gactggaaa	g tgaccgtct	c accagacta	c 3720
1(	of ccagaacco	accegecas	na catettas	ic ctagaacct	g gctatgact	t cctccatat	c 3780
1(	os greatege	c tggtattt	ia calcillad	c ataggaage	t totatggci	c ccageteed	a 3840
10	ob tacgacgga	ac gggaetete	a caacacct	c tteetege	t tecacaac	ga tgcatctgt	g 3900
10	)/ ggccgcati	cg aaagcagca	t taactate	ra daaaaccc	c gggagtcai	g ttttgatco	t 3960
10	UB agcaatgc	tg gcttcgtca	ic Lyactatac	a yaaaacce	,		

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002 TIME: 14:02:41

Input Set : A:\CURA518U.txt

Output Set: N:\CRF4\09272002\J016248.raw

							4000
109	ggttccatca	agaacggcac	acgggtgggg	tccgacctga	agctgggctc	ctccgtcacc	4020
110	tactactacc	acqqqqqta	cgaagttgag	ggcacctcga	ccctgagctg	Catteringggg	4000
111	catastagas	adoccatata	gaacaatccc	cqqccagtct	geacageeee	craragagaa	4140
112	cagtatgg	gttcggacgg	agtggtcttg	tcccccaact	acccccagaa	Clacaccage	4200
112	gaagatet	acttatattt	tattactata	cccaaggact	atgtggtgtt	Lggccagitc	4200
111	accttctttc	acacqqccct	caacqacqtq	gtggaggttc	acgacggcca	Cagccagcac	4320
115	tegeggetee	tcagetceet	ctcagactcc	catacaggag	aateaetgee	Cliggicacc	4300
116	tccaatcaag	ttctcattaa	gttcagcgcc	aaaggcctcg	caccagccag	aggettecae	4440
117	+++atctacc	aagcggttcc	tcgaaccagc	qccacgcagt	gcagctctgt	geeggaacee	4300
110	agetatagea	agaggetagg	cagtgacttc	tcaataaaga	ccatcgtccg	cticgaatyc	4500
119	aactccggct	atgccctgca	ggggtcgcca	gagatcgagt	geeteeetgi	geergggee	4020
120	ttggcccaat	ggaatgtctc	agcgcccacg	tgtgtggtgc	cgtgtggagg	Caaccicaca	4000
121	gaggggggg	gcaccatcct	atcccctqqc	ttcccagagc	cgtacctcaa	Cagcettaat	4/40
122	+atatataa	agatogtagt	ccccgaaggc	actagcatcc	agatccaagi	Lycayette	4000
123	ataacaaaac	agaactggga	ctcqctqqaa	gtatttgatg	gtgcagalaa	Caciglaacc	4000
124	atactacaca	atttctcaga	aacaaccqtq	cctacccttc	tgaacagcac	Ciccaaccag	4720
125	atatacette	atttctactc	agatatcage	gtatctgcag	ctggcttcca	Citygagiac	4000
126	aaaaaaataa	acctgaggag	ttatccaaa	cctqctqtqc	ccaglaacgg	ggigaagaci	3040
127	aggaaggact	acttootoaa	taatataata	tctttccaqt	gtgagccggg	atatycccic	3100
120	asaaaacesca	cccacatete	ctgcatgccc	ggaacagtgc	ggcgatggaa	Claccicci	3100
129	ccactctgta	ttgcacagtg	tagaggaaca	gtggaggaga	tggaggggg	gateetgage	JZZ0
130	cccaacttcc	caggcaacta	ccccagtaac	atggactgct	cctggaaaat	agcactgccc	3200
121	atagacttta	gageteacat	ccagttcctg	aacttctcca	ccgagcccaa	ccacgactac	5540
122	atagaatcc	ggaatggccc	ctatgagacc	agccgcatga	tgggaagati	caytyyaayc	2400
122	gagettecaa	actecetect	ctccacqtcc	cacgagacca	ccgtgtattt	Ccacagegae	3400
13/	cactcccaga	atcggccagg	attcaagctg	gagtatcagg	cctatgaact	ccaagagtgc	3320
135	ccadacccad	agccctttgc	caatggcatt	gtgaggggag	ctggctacaa	cgrgggacaa	3360
136	tragtgacct	togagtgcct	cccqqqqtat	caattgactg	gccaccctgt	celeacgigi	3040
127	anagataaca	ccaaccggaa	ctgggaccac	cccctqccca	agtgtgaagt	CCCLLGLGGC	3700
129	aaaaaaatca	cttcttccaa	caacactata	tactccccqq	ggttccctag	deciglacted	3700
120	agatacaaga	actatateta	gctgatcacc	gtgcccattg	gccatggcgt	Cogcoccaac	3020
140	atasacatac	tacagacaga	gecetetaga	gatttcatca	ccatctggga	Lyggccacag	5000
1/1	G222G2GGC	cacqqctcqq	catcttcacc	cqqaqcatqq	ccaagaaaac	agigeagage	3340
142	+02+002200	aggtectact	caagttccac	cataatacaa	ccacaggggg	gattetteget	0000
1/2	2+200+++c+	ccacttatcc	actcaccaaa	taccctcctc	ccaccatcct	ecceaacycc	0000
143	gaagteetee	cagagaatga	agaattcaat	ataggtgaca	tcgtacgcta	cagatgcctc	6120
144	gaagtegtea	cagagaacga	gaatgaaatt	ctgacctgca	aacttggaac	ctacctgcag	6180
145	tttgaaggag	cacccccgat	atgtgaagtg	cactotccaa	caaatgagct	tctgacagac	6240
140	tagaaggac	taatcctgag	ccagagetae	cctggaagct	atccccagtt	ccagacctgc	6300
14/	tettaggtg	tgaccccgag	gcccgactat	aacatctccc	tcacagtgga	gtacttcctc	6360
140	2000390039	aatatgatga	gtttgagatt	tttgatggtc	catcaggaca	gagtcctctg	6420
150	agegagaage	tcagtgggaa	ttactcaget	ccctgattg	tcaccagctc	aagcaactct	6480
150	etgaaageee	attactcatc	tgatcacgcc	tacaatcgga	agggcttcaa	gatccgctat	6540
157	transcrett	actocacct	acccadaact	ccactccatq	gcttcatcct	aggccagacc	6600
152	200200000	congagacto	catccacttt	ggctgcaacg	ccggctaccg	cctggtggga	6660
154	aycacccagc	ccatctatec	CCGGCACCCC	cagggctace	acctgtggag	cgaagccatc	6720
155	cacaycatgg	aaggtgttt	ctatagactt	cctgaggccc	ccaagaatgg	aatggtgttt	6780
155	gggaagget	acacactece	262533366	gtgtacagct	gcagtgaagg	ctaccacctc	6840
157	gycaayyagt	ctalageggg	tacagagtat	ctggacacag	gcctatggag	caaccgcaat	6900
T 2 /	caggeaggeg	cigaggeeac	-304343696			_	

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002 TIME: 14:02:41

Input Set : A:\CURA518U.txt

Output Set: N:\CRF4\09272002\J016248.raw

158 gtcccaccac agtgtgtccc tgtgacttgt cctgatgtca gtagcatcag cgtggagcat 6960 159 ggccgatgga ggcttatctt tgagacacag tatcagttcc aggcccagct gatgctcatc 7020 160 tgtgaccctg gctactacta tactggccaa agggtcatcc gctgtcaggc caatggcaaa 7080 161 tggagcctcg gggactctac gcccacctgc cgaatcatct cctgtggaga gctcccgatt 7140 162 cccccaatg gccaccgcat cggaacactg tctgtctacg gggcaacagc catcttctcc 7200 163 tgcaattccg gatacacact ggtgggctcc agggtgcgtg agtgcatggc caatgggctc 7260 164 tggagtggct ctgaagtccg ctgccttgct ggacactgtg ggactcctga gcccattgtc 7320 165 aacggacaca tcaatgggga gaactacagc taccggggca gtgtggtgta ccaatgcaat 7380 166 gctggcttcc gcctgatcgg catgtctgtg cgcatctgcc agcaggatca tcactggtcg 7440 167 ggcaagaccc ctttctgtgt gccaattacc tgtggacacc caggcaaccc tgtcaacggc 7500 168 ctcactcagg gtaaccagtt taacctcaac gatgtggtca agtttgtttg caaccctggg 7560 169 tatatggctg agggggctgc taggtcccaa tgcctggcca gcgggcaatg gagtgacatg 7620 170 ctgcccacct gcagaatcat caactgtaca gatcctggac accaagaaaa tagtgttcgt 7680 171 caggtccacg ccagcggccc gcacaggttc agcttcggca ccactgtgtc ttaccggtgc 7740 172 aaccacggct totacctcct gggcacccca gtgctcagct gccagggaga tggcacatgg 7800 173 gaccgtecce geeccagtg tetettggtg teetgtggee ateegggete eeegeeteae 7860 174 teccagatgt etggagaeag ttatactgtg ggageagtgg tgeggtaeag etgeategge 7920 175 aagcgtactc tggtgggaaa cagcacccgc atgtgtgggc tggatggaca ctggactggc 7980 176 tecetecete actgeteagg aaccagegtg ggagtttgeg gtgaceetgg gateeegget 8040 177 catggcatcc gtttggggga cagctttgat ccaggcactg tgatgcgctt cagctgtgaa 8100 178 gctggccacg tgctccgggg atcgtcagag cgcacctgtc aagccaatgg ctcgtggagc 8160 179 ggctcgcagc ctgagtgtgg agtgatctct tgtgggaacc ctgggactcc aagtaatgcc 8220 180 cgagttgtgt tcagtgatgg cctggttttc tccagctcta tcgtctatga gtgccgggaa 8280 181 ggatactacg ccacaggect getcagecgt cactgetegg teaatggtae etggacagge 8340 182 agtgaccetg agtgcetegt cataaactgt ggtgaccetg ggattecage caatggeett 8400 183 cggctgggca atgacttcag gtacaacaaa actgtgacat atcagtgtgt ccctggctat 8460 185 accaageceg tetgcaaage teteatgtge aagecacete egeteatece caatgggaag 8580 186 gtggtggggt ctgacttcat gtggggctca agtgtgactt atgcctgcct ggaggggtac 8640 187 cagetetece tgeeegegt gtteacetgt gagggaaatg ggteetggae eggagagetg 8700 188 cctcagtgtt tccctgtgtt ctgcggggat cctggtgtcc cgtcccgtgg gaggagaga 8760 189 gaccgagget tetectacag gteatetgte teetteteet geeateceee tetggtgetg 8820 191 tgcatagatc cgaccctgac cacgtgtgcg gaccctggtg tgccacagtt tgggatacag 8940 192 aacaattete agggetaeca ggttggaage acagteetet teegttgtea aaaaggetae 9000 193 ctgcttcagg gctccaccac caggacctgc ctcccaaacc tgacctggag tggaacccca 9060 194 cctgactgtg tcccccacca ctgcaggcag ccagagacgc caacgcatgc caacgtcggg 9120 195 gccctggatt tgccctccat gggctacacg ctcattactc ctgccaggag ggcttctccc 9180 196 tcaagggtgg ctccgagcac cgcacctgca aggcggatgg cagctggaca ggcaagccgc 9240 197 ccatctgcct ggaggtccgg cccagtggga gacccatcaa cactgcccgg gagccaccgc 9300 198 tcacccaage cttgattect ggggatgttt ttgccaagaa ttccctgtgg aaaggggcct 9360 199 atgaatacca ggggaagaag cagccagcca tgctcagagt gactggcttc caagttgcca 9420 200 acagcaaggt caatgccacc atgatcgacc acagtggcgt ggagctgcac ttggctggaa 9480 201 cttacaagaa agaagatttt catctcctac tccaggtgta ccagattaca gggcctgtgg 9540 202 agatctttat gaataagttc aaagatgatc actgggcttt agatggccat gtctcgtcag 9600 203 agtoctccgg agccaccttc atctaccaag gctctgtcaa gggccaaggc tttgggcagt 9660 204 toggetttea aagactggae etcaggetge tggagteaga eecegagtee attggeegee 9720 205 actttgcttc caacagcagc tcagtggcag ccgcgatcct ggtgcctttc atcgccctca 9780 206 ttattgcggg cttcgtgctc tatctctaca agcacaggag aagacccaaa gttcctttca 9840 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002 TIME: 14:02:41

Input Set : A:\CURA518U.txt

Output Set: N:\CRF4\09272002\J016248.raw

207 atggctatgc tggccacgag aacaccaatg ttcgggccac atttgagaac ccaatgtacg 9900 208 accgcaacat ccagcccaca gacatcatgg ccagcgaggc ggagttcaca gtcagcacag 9960 209 tgtgcacagc agtatagcca cccggcctgg ccgctttttt tgctaggttg aactggtact 10020 210 ccagcagccg ccgaagctgg actgtactgc tgccatctca gctcactgca acctccctgc 10080 211 ctgattcccc tgcctcagcc tgccgagtgc ctgcgattgc aggcgcgcac cgccac 10136 214 <210> SEQ ID NO: 2 215 <211> LENGTH: 3104 216 <212> TYPE: PRT 217 <213> ORGANISM: Homo sapiens 219 <400> SEQUENCE: 2 220 Met Ala Gly Ala Pro Pro Pro Ala Leu Leu Pro Cys Ser Leu Ile 223 Ser Asp Cys Cys Ala Ser Asn Gln Arg His Ser Val Gly Val Gly Pro 25 20 226 Ser Glu Leu Val Lys Lys Gln Ile Glu Leu Lys Ser Arg Gly Val Lys 40 35 229 Leu Met Pro Ser Lys Asp Asn Ser Gln Lys Thr Ser Val Leu Thr Gln 60 55 50 232 Val Gly Val Ser Gln Gly His Asn Met Cys Pro Asp Pro Gly Ile Pro 70 75 235 Glu Arg Gly Lys Arg Leu Gly Ser Asp Phe Arg Leu Gly Ser Ser Val 20 Sec. 18 90 85 238 Gln Phe Thr Cys Asn Glu Gly Tyr Asp Leu Gln Gly Ser Lys Arg Ile 110 105 100 241 Thr Cys Met Lys Val Ser Asp Met Phe Ala Ala Trp Ser Asp His Arg 125 120 115 244 Pro Val Cys Arg Ala Arg Met Cys Asp Ala His Leu Arg Gly Pro Ser 140 135 1.30 247 Gly Ile Ile Thr Ser Pro Asn Phe Pro Ile Gln Tyr Asp Asn Asn Ala 155 150 248 145 250 His Cys Val Trp Ile Ile Thr Ala Leu Asn Pro Ser Lys Val Ile Lys 175 170 165 253 Leu Ala Phe Glu Glu Phe Asp Leu Glu Arg Gly Tyr Asp Thr Leu Thr 190 185 180 254 256 Val Gly Asp Gly Gln Asp Gly Asp Gln Lys Thr Val Leu Tyr Met 205 200 195 257 259 Ser Gln Asn Ala Cys Ser Asp Ser Pro His Thr Pro Gly Ser Arg Ile 215 210 262 Pro Glu Ser Met Ser Gly Asp Ile Trp Arg Gln Lys Trp Thr Val Leu 230 265 Glu Ile Cys Arg Asp Ile Ser Ser Ser Asp Ala Arg Ser Gly Ser Val 245 250 268 Arg Lys Ser Pro Lys Thr Ser Asn Ala Val Glu Leu Val Ala Pro Gly 265 260 271 Thr Glu Ile Glu Gln Gly Ser Cys Gly Asp Pro Gly Ile Pro Ala Tyr 285 280 275 274 Gly Arg Arg Glu Gly Ser Arg Phe His His Gly Asp Thr Leu Lys Phe 295 277 Glu Cys Gln Pro Ala Phe Glu Leu Val Gly Gln Lys Ala Ile Thr Cys

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/016,248 DATE: 09/27/2002 TIME: 14:02:42

Input Set : A:\CURA518U.txt

Output Set: N:\CRF4\09272002\J016248.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:86; Xaa Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002

TIME: 14:02:42

Input Set : A:\CURA518U.txt

Output Set: N:\CRF4\09272002\J016248.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:12929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0